

Date: Tue, 7 Dec 93 04:30:21 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V93 #124
To: Ham-Equip

Today's Topics:

80+miles range radio (phone) equipment needed- any advice
<< HELP >> WANTED MODS FOR FT-290R
ER Magazine
Help! Problems with SB-200
I wish
Manual for Navy CR1-43044/TBY-8, Colonial Radio
Need mod info on TS-50S
Ramsey FX-146 & FX-440
Repeater Problem with HTX-202
Wanted FAS-4-1 (yaesu)

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>

Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 6 Dec 93 19:01:54 GMT
From: ogicse!henson!netnews.nwnet.net!news.u.washington.edu!snowy!
yuri@network.ucsd.edu
Subject: 80+miles range radio (phone) equipment needed- any advice
To: ham-equip@ucsd.edu

Hi,
and sorry for (may be) wrong group. My frined doesn't have access to Internet,
but he wants to have radiophone with 80+ (100+) miles range.
He said, that it should be somathing like (or better than) "Tomahawk-8000".
We will appreciateany places to call/price ranges-ANY ADVICE.

Please reply directly- I don't read these groups lately.

INTERNET: yuri@atmos.washington.edu
UUCP: uw-beaver!atmos.washington.edu!yuri

Date: Mon, 6 Dec 1993 16:29:25 GMT
From: ssd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!cs.utexas.edu!swrinde!sgiblab!cs.uoregon.edu!news.uoregon.edu!netnews.nwnet.net!ns1.nodak.edu!badlands.NuDak.edu!walth@network.ucsd
Subject: << HELP >> WANTED MODS FOR FT-290R
To: ham-equip@ucsd.edu

I am looking for any mods that may be available for the Yaesu FT-290R MK II radio. I would like to use the radio for out of band RX. Please email any mods you may have to walth@badlands.NuDak.EDU. All responses will be greatly appreciated.

Thanks in advance.

Chris N00XI

Date: 3 Dec 1993 14:03:45 GMT
From: news.cerf.net!pagesat!olivea!spool.mu.edu!howland.reston.ans.net!math.ohio-state.edu!mane.crg.ohio-state.edu!aus1.robins.af.mil!wrdis02.robins.af.mil!lakeith@network.ucsd.edu
Subject: ER Magazine
To: ham-equip@ucsd.edu

ER
P. O. Box 57
Hesperus, CO 81326 Phone/FAX 303-247-4935

\$24/year - 2nd class
\$34/year - 1st class
\$35/year - Canada by Air (only)
\$60/year - Other foreign countries.

Just a satisfied reader.

73,
Larry, K04BY

Date: Mon, 6 Dec 1993 17:10:47 GMT

From: sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!darwin.sura.net!news-feed-2.peachnet.edu!concert!corpgate!nrtpa038!bnr.ca!dstone@network.ucsd.edu
Subject: Help! Problems with SB-200
To: ham-equip@ucsd.edu

I recently bought a SB-200 and decided to "upgrade the circuitry." My modifications consisted of the following:

- Replaced the power supply's 125 uF 450V Electrolytic Twist Lock Can Capacitors (Which were leaking. New replacements are very expensive and difficult to find...) with brand new 220 uF 450V electrolytic capacitors (Panasonic TS-Series).
- Replaced all the power supply diodes, and bypassed each with a 0.01 uF 1 kV ceramic disc capacitor and a 470k 1/2 watt resistor (for equalization).
- Replaced the Parasitic Chokes on the 572B Plate Caps. Old chokes were 3 turns wound on 47 Ohm 2 W resistor. New chokes are 2 turns wound on 56 Ohm 2 Watt resistor.
- Repaced 0.001 uF 3kV bypass capacitor on Plate Supply with new 0.001 uF 10kV.
- Cleaned bandswitch.

The following illustrates the amplifier performance before and after the modifications were applied: ("After" Values shown in Brackets)

Freq. (MHz)	Output Power (W)	Plate Current (mA)	Plate Voltage (V)
3.500	380 [450]	400 [430]	1800 [1850]
4.000	620 [700]	500 [500]	1800 [1825]
7.000	580 [525]	400 [430]	1800 [1850]
7.300	590 [650]	400 [460]	1800 [1850]
10.100*	250 [500]	340 [460]	1850 [1825]
14.000	690 [250]	500 [250]	1800 [1850]
14.350	600 [280]	400 [250]	1800 [1850]
18.100**	710 [700]	550 [480]	1750 [1800]
21.000	450 [480]	360 [380]	1800 [1850]
21.450	500 [600]	380 [440]	1800 [1850]
24.890***	450 [500]	500 [500]	1750 [1850]
28.000	500 [540]	460 [480]	1800 [1825]
29.700	420 [500]	420 [420]	1800 [1820]

Notes:

- * = Bandswitch in 20 Meter Position
- ** = Bandswitch in 15 Meter Position
- *** = Bandswitch in 10 Meter Position
- 100 Watts Drive used for all measurements.
- Exciter is SB-1400 in CW mode.

As expected, the power supply improvements generally resulted in a somewhat higher plate voltage and a corresponding higher RF output. HOWEVER, the performance on 20 Meters is greatly WORSE !!!

- a. There is no difference between 20, 15, and 10 meters on the the output network, except for the obvious coil tap and cap setting differences (i.e., on 80 meters, additional fixed caps are switched in), so there are no "unique" output components on 20 meters to fail. The tune/load caps are clean, and all solder joints are good.
- b. I placed an SWR bridge between the exciter and input of the SB-200 to check for input network problems (mismatches). Match was better 1.5:1 on all bands, including 20 meters.

I have considered the possibilty of a bandswitch problem. However, the 20 meter switch position is used to tune for 30 meters, which performed extremely well, indicating the bandswitch is good. [By the way, I AM aware that the maximum legal output on 30 meter is 250 watts. I was testing on the 10 MHz band to get an idea of the amplifier's frequency response. Please, no flames. I do NOT intend to QRO on 30 meters.]

I have swaped the two 572B's with EACH OTHER, but have NOT tried new tubes. Anyway, I doubt seriously that this is the problem.....

I've not probed with a scope and RF probe yet. I'm not sure what to look for. I'm baffled. Any ideas?

Date: 2 Dec 93 16:46:10 CST
From: pravda.sdsc.edu!usc!howland.reston.ans.net!spool.mu.edu!umn.edu!msc.edu!
cdsmail!timbuk.cray.com!hemlock.cray.com!cherry10!dadams@network.ucsd.edu
Subject: I wish
To: ham-equip@ucsd.edu

I wish you could buy an Icom 735 like radio in pieces like you can with the Ten Tec Scout. Only I wish you didn't have to take out one piece to put the next one in.

You could have a row of expansion slots, like you do with an old PC. One card for extra memories or more bells and whistles. An extra vfo. One for the TNC. One for more bands....

Sourdough and Ham KG0IO

--David C. Adams internet: dadams@cray.com
Statistician uunet: uunet!cray!dadams
Cray Research Inc. packet: kg0io@tcman.ams.msp.mn.usa.noam

Experience --> Identify --> Analyze --> Generalize

Date: 6 Dec 93 09:34:37 GMT
From: ogicse!news.tek.com!cascade.ens.tek.com!not-for-mail@network.ucsd.edu
Subject: Manual for Navy CR1-43044/TBY-8, Colonial Radio
To: ham-equip@ucsd.edu

I have the following and am looking to fire it up. A manual would be most helpful. Willing to pay copying and mailing charges.

Type CR1-43044
A unit of TBY-8 Radio
Navy Dept. - Bureau of Ships
Colonial Radio Corp., Buffalo NY
Contract NXSR377099

Thanks, Russ N7DHK (ex WA9SSR)

| Russell D. Mickiewicz (503)627-3455 Internet: r.mickiewicz@tek.com |
| Tektronix Telecomm Services 50-454, P.O. Box 500, Beaverton, OR 97077 |
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Date: Wed, 01 Dec 1993 22:27:43 -0800
From: qualcomm.com!vixen.cso.uiuc.edu!howland.reston.ans.net!sol.ctr.columbia.edu!
news.kei.com!nic.hookup.net!news.sprintlink.net!news.world.net!teleport.com!
NewsWatcher!user@network.ucsd.edu
Subject: Need mod info on TS-50S
To: ham-equip@ucsd.edu

I'm going offshore in my sailboat, and I'd like to set up my TS-50S for use on marine SSB frequencies. Is there a simple mod to allow "out of ham band" transmit?

Thanks in advance...

--
Charles Vollum <n7bpt> <moana@teleport.com> <AppleLink: MOANA>
PGP key on request... "Growing older, but not up!" -- Jimmy Buffett

Date: 2 Dec 1993 19:54:14 GMT
From: qualcomm.com!vixen.cso.uiuc.edu!howland.reston.ans.net!news.ans.net!
malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!ag821@network.ucsd.edu
Subject: Ramsey FX-146 & FX-440
To: ham-equip@ucsd.edu

In a previous article, jim@unssun.scs.unr.edu (James Mueller) says:

>I would like to hear comments on the Ramsey FX-146 & FX-440 kits. Has
>anyone built either of these? How well do they perform? Are there many
>of them on the air? Thanks.

>

>-----

> Jim Mueller | Work : (702) 689-3111 | net: jim@unssun.scs.unr.edu
> 11865 Deodar Way | Home : (702) 677-2775 | Ham Call: WB7AUE
> Reno, NV 89506 | FAX : (702) 689-3995 |

>

>

>

I built the Ramse 146.. and use it on packet. I remember a long
discussion on the tipic a while back.. many people had them owrk
the first time mine had bad crystals and I needed to pad them. If you
are looking to just build, it is kind of a nice project.. the equipment
is kinda juknkey and Ramsey is a garbade compaany.. the owner is a liar,
some of the components were excellent, some were terrible.

A Phd here in EE department purchased the 440.. different design
he never got it owrking and went on and on about how bad the
design was.

If you want good equiment of this type.. buy it built

I love to build and like to operate mostly stuff I have built.

E-Mail me
direct if you want more specifics .

73

Jeff, AC4HF
--
Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

Date: 6 Dec 93 22:43:02 GMT
From: ogicse!news.tek.com!tekgen!sail!scottd@network.ucsd.edu
Subject: Repeater Problem with HTX-202
To: ham-equip@ucsd.edu

Hi,

I'm having some trouble connecting to autopatch on a local repeater when I use an older Radio Shack HTX-202 Transciever. There appears to be an equipment problem but it isn't clear exactly what is wrong with my equipment and I'm wondering if the net has any suggestions.

There are two autopatches in our area. One of them I can reach fine (on 147.320) and the other one I cannot get through to (on 147.040). It is not a case of operator error or being too distant from the station. A friend of mine has a newer model of the HTX-202. We took both radios out to the car, choose the identical setting, same antenna and same power supply. With my radio neither of us could get through, with his radio both of us could get through. The problem seems to be that the DTMF access code isn't being recognized by one repeater, but is ok on the other one.

To check to make sure my radio was reaching the transmitter we talked through it and the voice came through clearly. We couldn't check how well the DTMF tones went through this repeater because the repeater blocks these tones but we did go to simplex and the tones seemed to sound just fine.

I'm not really certain what is wrong. I'd guess that my DTMF tones are not perfect and one autopatch is just more sensitive than the other. Does this sound reasonable? Any other suggestions as to why I'm not getting through? I'd like to bring my transciever into radioshack and have them look at it but I'd like to have some idea of what is wrong.

Thanks in advance for all suggestions. Please e-mail suggestions to me and I'll summarize responses if there is any interest.

Scott Diamond
\\ / Tektronix, Test and Measurement Division
/ \\ Beaverton, Oregon
\\ / wk phone: (503) 627-6304
/ \\ hm phone: (503) 643-6779

Date: Thu, 2 Dec 1993 19:52:23 GMT
From: netcomsv!netcom.com!pineapp@decwrl.dec.com
Subject: Wanted FAS-4-1 (yaesu)
To: ham-equip@ucsd.edu

I am looking for one Yaesu FAS-4-1 antenna selector. Please send me e-mail
if you want to sell yours.

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INTERNET: pineapp@netcom.com	Daniel Curry WB6STW
AMPRNET : dan@wb6stw.ampr.org [44.4.20.144]	E-- Ham Radio Operator
AX.25 : wb6stw@n0ary.#NOCAL.CA.USA.NA	Redwood City, CA USA
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End of Ham-Equip Digest V93 #124

